A. Permit Certificate

MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000037-03

The City of Mountain Home, P.O. Box 10, Mountain Home, ID 83647, IN **Elmore County, Township 4S, Range 6E, Section 13** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE WASTEWATER REUSE RULES (IDAPA 58.01.17) AND WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **(60 months from issue date)**.

Pete Wagner, Regional Administrator
Boise Regional Office
Idaho Department of Environmental Quality

DRAFT
Date:

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 N. Orchard St.
Boise, ID 83706
(208) 373-0550.

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

Appendices

1. Environmental Monitoring Serial Numbers
2. Site Maps

References

1. Plan of Operation (Operation and Maintenance Manual)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000037-03 and are enforceable as such. This permit does not relieve The City of Mountain Home, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Guidance	Wastewater Reclamation and Reuse Guidance
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop: $IWR = IR / E_i = (CU - P_e) / E_i$ Where: IR = net irrigation requirement = $CU - P_e$ CU = consumptive use (crop evapotranspiration) for a given crop in a given climatic area P_e = effective precipitation. E_i = irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio

C. Abbreviations, Definitions

SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2006 Reporting Year would be November 01, 2005 through October 31, 2006.
WLA	Wastewater Land Application
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	City of Mountain Home
Type of Wastewater	Municipal Wastewater
Method of Treatment	Lagoon (anaerobic/aerobic) treatment, chlorination and slow-rate land application
Type of Facility	City owned municipal wastewater treatment lagoons and City- and privately- owned land application sites
Facility Location	Located approximately 2½ miles south of Mountain Home
Legal Location	Township 4S, Range 6E, Section 13
County	Elmore
USGS Quad	Mountain Home South
Soils on Site	Colthorp-Kunaton silt and clay loam (0-20 inches) Power silt loam (0-60 inches)
Depth to Ground Water	Depth to Localized perched aquifer: 7-10 feet during the irrigation season. Depth to regional aquifer: 300-400 feet
Beneficial Uses of Ground Water	Drinking Water, Irrigation Water for Agriculture
Nearest Surface Water	Rattlesnake Creek
Beneficial Uses of Surface Water	Irrigation
Responsible Official **Mailing Address** **Phone / Fax**	Joe B. McNeal, Mayor 160 South 3rd East P.O. Box 10 Mountain Home, ID 83647 (208)587-2104/(208)587-2110
Facility Contact Person **Mailing Address** **Phone / Fax**	Bill Lago, Sewer Superintendent 160 South 3rd East P.O. Box 10 Mountain Home, ID 83647 (208)587-2104/(208)587-2110
Facility Consultant **Mailing Address** **Phone / Fax**	Susan K. Burnham, P.E. Keller Associates, Inc. 131 SW 5th Avenue, Suite A Meridian, Idaho 83642 (208) 288-1992/(208) 288-1999

E. Compliance Schedule for Required Activities

The *Activities* in the following table shall be completed on or before the *Completion Date* unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-037-01 **Plan of Operation** **Twelve (12) Months after Permit Issuance**	An updated Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facility, shall be submitted to DEQ for review and approval. The Plan of Operation shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to assess the adequacy of wastewater treatment facility operation. The Plan of Operation shall contain at a minimum the information in the latest revision of the Plan of Operation Checklist. The Plan of Operation shall also include the following: (1) Operation and management on expansion acreage (Field 2 and Field 3); (2) Non-growing season application; (3) Contingency plan for emergency wastewater land treatment operations, (4) Waste Solids Management Plan which shall describe how waste solids generated at the facility will be handled and disposed of to meet the requirements of Section I, No. 5; (5) A Quality Assurance Project Plan (QAPP). The QAPP shall cover field activities; laboratory analytical methods and other activities; data verification and validation; data storage, retrieval and assessment; and monitoring program evaluation and improvement; and (6) Documentation verifying that the permittee has operational control of land treatment acreage not owned by the permittee. Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-037-02 **Seepage Testing** **Eight (8) Months after Permit Issuance to submit the Seepage Testing Plan** **Twenty four (24) months after Permit Issuance complete seepage testing of all required structures**	Submit a seepage testing plan that defines the approach and testing procedures to conduct seepage testing in accordance with methods approved by DEQ on all wastewater treatment and storage structures. Upon approval of the plan, conduct the seepage testing of the lagoons in the approved plan and submit test results to DEQ. The seepage performance standard is 0.125 inches per day for lagoons constructed after April 15, 2007, and 0.25 inches per day for lagoons constructed before April 15, 2007. If a properly tested lagoon leaks more than the performance standard, the permittee shall either 1) submit, for DEQ approval, a plan and schedule to either retest, repair, replace or decommission structures not meeting this standard or 2) develop a plan based on ground water sampling and analyses and/or modeling to determine the effect of the lagoon leakage on the local ground water. If actual or predicted impacts do not comply with IDAPA 58.01.11 as determined by DEQ, the permittee shall comply with 1) above.
CA-037-03 **Groundwater Monitoring Plan** **Twelve (12) Months after Permit Issuance**	A groundwater monitoring plan shall be submitted to DEQ, and shall be prepared by a qualified registered geologist in the state of Idaho. The plan shall include at least (1) an assessment of groundwater monitoring needs, (2) an evaluation of current ground water monitoring well network (adequacy of monitoring wells and locations, construction, and sampling protocol, and (3) plans for an updated monitoring well network. The plan shall include an implementation schedule.
CA-037-04 **Soil Profile Study** **Prior to Non-growing Season Land application on Sites**	Submit a soil profile sampling and analysis plan for each land application Fields. The plan should include sampling locations, sample size, sampling methods, analysis methods and issues to be resolved in a final report. The plan shall be submitted for DEQ's review and approval. Upon approval, the final report shall be submitted to DEQ for review later.
CA-037-05 **Field 3 Implementation Plan** **Prior to Land Application on Field 3**	An Implementation plan for Field 3 shall be submitted to DEQ for review and approval before using the Field for growing season and/or non-growing season land application. The plan shall address the manner in which Field 3 will be prepared for land application and cropping operation. The plan shall address, at a minimum: (1) plans and specifications for the wastewater distribution system; (2) characterization of dredging or waste solids on site and the manner in which these solids will be disposed and managed; and (3) runoff control for the drainage on site as required by Compliance Activity (CA-037-06) and permit condition in Section F.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-037-06 **Runoff Control** **Six (6) Months after Permit Issuance**	Submit to DEQ for review and approval a runoff management plan, prepared by a professional engineer licensed in Idaho, with control structures and other BMPs (e.g. collection basins, berms, etc.) designed and engineered to prevent runoff from any site or fields previously or presently used for wastewater land application to property not owned by the permittee in the event of a 25-year, 24-hour storm event or greater, using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 'Isopluvials of 25-YR, 24-HR Precipitation'. For this site, the 25-year, 24-hour event is 1.6 inches.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Type of Wastewater	Municipal Wastewater – Class C
Application Site Area	480 Acres
Application Season	March 1 through November 30
Growing Season (GS)	April 1 through October 31 (214 days)
Non-growing Season (NGS)	November 1-30 and March 1-31 (61 days)
Reporting Year for Annual Loading Rates	November 1 through October 31
Certified Operator	The system shall be operated and managed by personnel certified and licensed in the State of Idaho wastewater operator-training program as specified in IDAPA 58.01.16.203 and properly trained to operate and maintain the system.
Growing Season Hydraulic Loading Rate, each HMU (Applies to wastewater and supplemental irrigation water)	Growing Season (GS) Hydraulic Loading Rate shall be substantially equal to the Irrigation Water Requirement (IWR) throughout the growing season.
Non-Growing Season Hydraulic Loading Rate, each HMU	Non-Growing Season (NGS) Hydraulic Loading Rate shall not exceed hydraulic capacity of the soils throughout the non-growing season. Available Water Capacity (AWC) of each HMU shall be determined as required by CA-037-04 in Section E.
Livestock Grazing	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities.
Ground Water Quality	Wastewater land application activities conducted by the permit shall not cause a violation of the *Ground Water Quality Rule* (GWQR), IDAPA 58.01.11 as now existing or later amended.
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be submitted for review and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for DEQ review and approval.
Maximum COD Loading, Pounds/acre-day, each HMU	50 pounds / acre-day seasonal average for growing season. 25 pounds / acre-day seasonal average for non-growing season.
Maximum Nitrogen Loading Rate, pounds/acre-year, each HMU (from all sources including supplemental fertilizers)	150% of crop uptake
Maximum Phosphorus Loading Rate, pounds/acre-year, each HMU (from all sources including supplemental fertilizers)	None at this time. In the event that DEQ determines phosphorous limit is necessary, DEQ shall issue a draft modification to the permit and a staff analysis, and shall process the modification as provided in IDAPA58.01.17.400.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Maximum Total Dissolved Inorganic Solids (TDIS) Loading, Pounds/acre-day, each HMU	None at this time. In the event that DEQ determines TDIS limit is necessary, DEQ shall issue a draft modification to the permit and a staff analysis, and shall process the modification as provided in IDAPA58.01.17.400.
Buffer Zones	All buffer zones must comply with, at minimum, local zoning ordinances. Other minimum buffer zones are as follows: 1000 ft from reuse site and public water supply wells 500 ft from reuse site and private potable water supply wells 300 ft from reuse site and inhabited dwellings 100 ft from reuse site and permanent or intermittent surface water 50 ft from reuse site and irrigation ditches/canals 0 ft from reuse site and areas of public access These buffer zone distances shall be maintained unless a Department approved well location acceptability analysis indicates an alternative buffer zone is acceptable.
Supplemental Irrigation Water Protection	For systems with wastewater and fresh irrigation water interconnections, DEQ-approved backflow prevention devices are required.
Odor Management	The land application facilities and other operations associated with the facility shall not create a public health hazard or nuisance conditions including odors. These facilities shall be managed in accordance with a DEQ approved Odor Management Plan as part of the Plan of Operations. In the event that nuisance odors, verified by DEQ, occur, the Plan shall be revised as necessary to eliminate or minimize the reoccurrence of nuisance odors.
Posting and Fencing	Signs should be posted every 500 ft and at each corner of the outer perimeter of the buffer zones of the site which read 'Irrigated with Reclaimed Wastewater- Do Not Drink' or equivalent. Three-wire pasture fencing or equivalent is required.
Wastewater Treatment System Requirements	Disinfection Requirements: The median number of total coliform organisms shall not exceed 23 colony forming units (CFU) per 100 milliliters, as determined from the results of the last seven (7) days for which the analyses have been completed. In addition the number of total coliform organisms shall not exceed 230 CFU per 100 milliliters in any confirmed sample.
Allowable Crops	Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed.
Runoff Control	Upon approval of the runoff management plan by DEQ, required in Section E CA-037-06 of this permit, the permittee shall implement the plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan.

G. Monitoring Requirements

The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

1. Appropriate analytical methods, as given in the *Idaho Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater*, or as approved by the Idaho Department of Environmental Quality (DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the facility's Quality Assurance Project Plan (QAPP), which shall be part of the Operation and Maintenance Manual.

2. The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.

3. Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.

4. Unless otherwise agreed to in writing by DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table on the following pages. Wastewater monitoring is required at the frequency show in the table below if wastewater is applied anytime during the time period shown.

5. Ten (10) soil sample locations shall be selected for each Soil Monitoring Unit (SMU) with greater than fifteen acres and Five (5) soil sample locations shall be selected for each SMU with fifteen acres or less. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches, or refusal. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each SMU.

6. Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.

7. Surface water sampling guidance: DEQ to review and approve methods, timing and locations for sampling prior to initial sampling event.

8. Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

9. Monitoring locations are defined in Appendix 1, "Environmental Monitoring Serial Numbers".

G. Monitoring Requirements

Facility Monitoring Table

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Daily	Flow Meter	Flow of wastewater to Treatment System	Gallons/day
Daily (when land applying)	Flow Meter	Flow of wastewater to each HMU	Gallons/day, Gallons/month
Daily (when using supplemental irrigation water)	Flow Meter	Flow of supplemental irrigation water to each HMU	Gallons/day, Gallons/month
Weekly (when land applying)	WW-003701	Grab Sample	Total Coliform, Chlorine Residual
Monthly (when land applying)	WW-003701	Grab Sample	COD, Total Kjeldahl Nitrogen (TKN), Ammonia-Nitrogen, Nitrate-Nitrogen, Total Phosphorus, Total Dissolved Solids, Volatile Dissolved Solids
Annually	Each Active HMU	Calculate Growing Season wastewater loading rate	Million gallons/HMU & Inches/acre for each HMU
		Calculate Growing Season Supplemental Irrigation Water Loading Rate	Million gallons/HMU & Inches/acre for each HMU
		Calculate Non-growing Season wastewater loading rates.	Inches/acre-month for each crop type
		Calculate wastewater nitrogen, phosphorus, NVDS, and COD loading rates	Pounds/acre-year
		Calculate amount of fertilizers applied	Pounds/acre-year

G. Monitoring Requirements

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Annually (April)	Soil Monitoring Unit	Composite Soil Sample (see Note 5)	Electrical Conductivity, Nitrate-N, Ammonium-N, pH, Plant-Available Phosphorus (see note) Note: Use the Olsen method for soils with pH 6.5 or greater, use Bray method if soil pH is less than 6.5
Annually	All Supplemental Irrigation Connections to the Reclaimed Wastewater Distribution System	Backflow testing	Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly.
Twice per Year (April and October)	Each Active Ground Water Monitoring Well	Ground Water (see Note 6)	Water Table Depth, Water Table Elevation, Nitrate-Nitrogen, Ortho Phosphorous, Chloride, Total Dissolved Solids, Electrical Conductivity and Temperature.
April 2008 April 2012	Each Active Ground Water Monitoring Well	Ground Water for Major Ions (see Note 6)	Carbonate, Bicarbonate, Sulfate, Chloride, Potassium, Magnesium, Sodium, Calcium, Iron and Manganese
Each Crop Harvest	Each Crops on the Sites	Crops for Yield and Crop Tissue Analysis	Yield, Moisture content, TKN, Nitrate-N, Ash, Phosphorus
Every two years, starting with first year of permit	All flow measurement locations	Flow measurement calibration of all flows to reuse areas.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly to measure all reclaimed wastewater and supplemental irrigation water flows applied to reuse areas.

H. Standard Reporting Requirements

1. The Permittee shall submit an Annual Wastewater Reuse Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous reporting year. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

   Boise Regional Office
   1445 N. Orchard
   Boise, ID 83706-2239
   208-373-550

   Coeur d'Alene Regional Office
   2110 Ironwood Parkway
   Coeur d'Alene, ID 83814
   208-769-1422

   Idaho Falls Regional Office
   900 N. Skyline, Suite B
   Idaho Falls, ID 83402
   208-528-2650

   Lewiston Regional Office
   1118 "F" Street
   Lewiston, ID 83501
   208-799-4370

   Pocatello Regional Office
   444 Hospital Way, #300
   Pocatello, ID 83201
   208-236-6160

   Twin Falls Regional Office
   1363 Fillmore St.
   Twin Falls, ID 83301
   208-736-2190

   A copy of the annual report shall also be mailed to:

   Richard Huddleston, P.E.
   Wastewater Program Manager
   1410 N. Hilton
   Boise, ID 83706
   208-373-0561

4. Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by *Section G. Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the U.S. Environmental Protection Agency.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

   a. Apply wastewater as evenly as practicable to the treatment area;
   b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
   c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

   a. Manage the wastewater reuse treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
   b. Not hydraulically overload any particular areas of the wastewater reuse treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
   c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certificate Page

Emergency 24 Hour Number: 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Section I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Wastewater Reuse Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the reuse site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

HMU Number	Description	Acreage
MU-003701	Field 1: NW section	35
MU-003702	Field 1: North center	65
MU-003703	Field 1: NE section	80
MU-003705	Field 1: SW section	40
MU-003706	Field 1: SE section	40
MU-003707	Field 2	140
MU-003708	Field 3: East section	40
MU-003709	Field 3: West section	40
	Total	**480**

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-003701	Wastewater prior to land application at the pumping station

SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-003701	Field 1: NW section	MU-003701
SU-003702	Field 1: North center	MU-003702
SU-003703	Field 1: NE section	MU-003703
SU-003705	Field 1: SW section	MU-003705
SU-003706	Field 1: SE section	MU-003706
SU-003707	Field 2	MU-003707
SU-003708	Field 3: East section	MU-003708
SU-003709	Field 3: West section	MU-003709

GROUND WATER MONITORING (will need to change when the GW network plan is in effect. Would expect the facility to install new wells in the plan).

Serial Number	**Description** (private, irrigation, dedicated monitoring)	Activity Status
GW-03701	Well #1 (monitoring)	ACTIVE
GW-03702	Well #2 (monitoring)	ACTIVE
GW-03703	Well #3 (monitoring)	ACTIVE
GW-03704	Well #4 (monitoring)	ACTIVE
GW-03705	Well #5 (monitoring)	ACTIVE

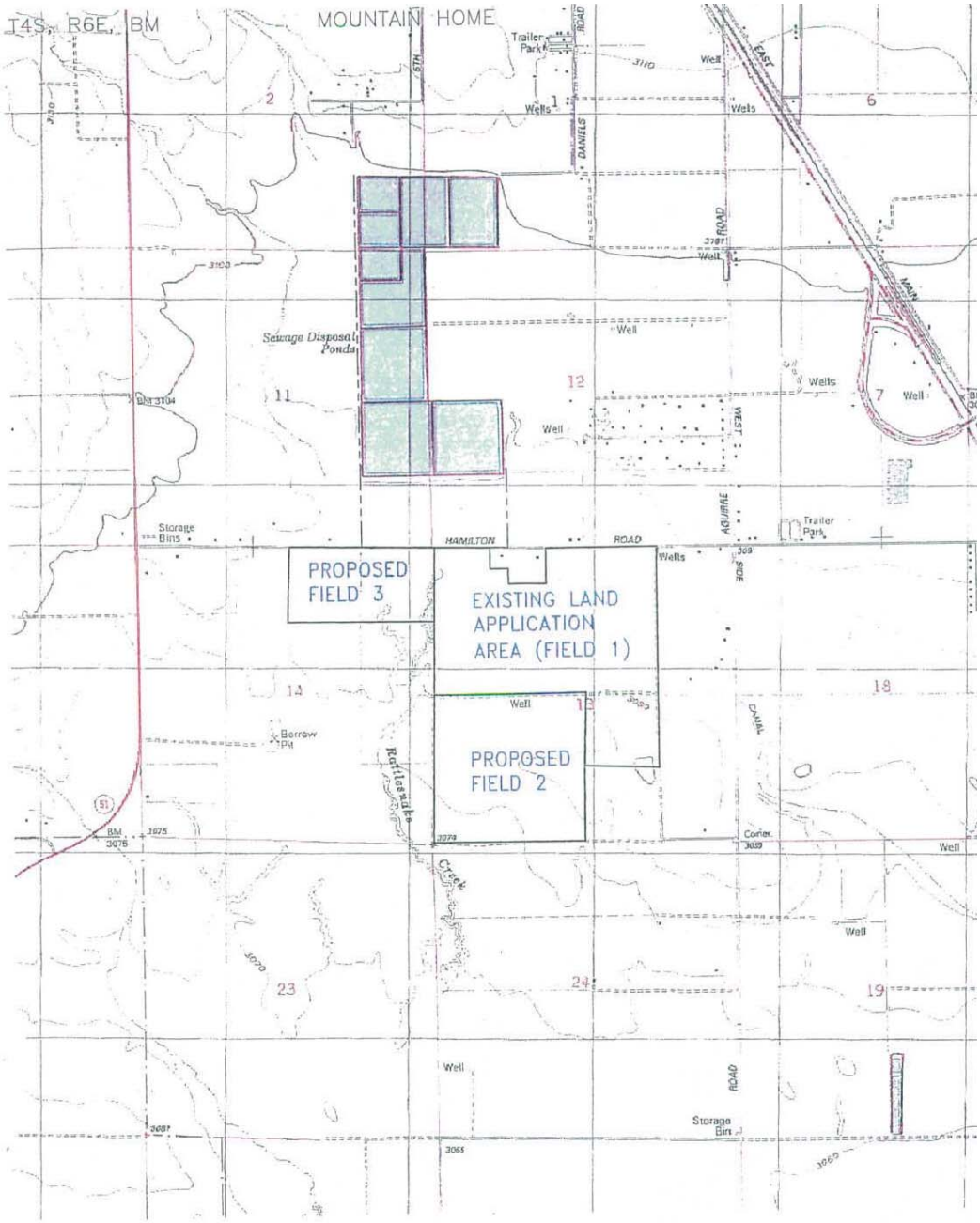
LAGOONS

Serial Number	Current Description	Volume (MG)
LG-003701	Cell 1: treatment lagoon	35.8
LG-003702	Cell 2: treatment lagoon	35.8
LG-003703	Cell 3: treatment lagoon	15.0
LG-003704	Cell 4: treatment lagoon	15.0

Appendix 1
Environmental Monitoring Serial Numbers

LG-003705	Cell 5: treatment lagoon	16.0
LG-003706	Cell 6: treatment lagoon	39.4
LG-003707	Cell 7: storage lagoon	55.4
LG-003708	Cell 8: storage lagoon	71.0
LG-003709	Cell 9: storage lagoon	74.9

Site Maps


T4S R6E BM
MOUNTAIN HOME
Trailer Park
Well
Wells
EAST
DANIELS ROAD
Sewage Disposal Ponds
WEST
AGUIRRE
Storage Bins
HAMILTON ROAD
PROPOSED FIELD 3
EXISTING LAND APPLICATION AREA (FIELD 1)
PROPOSED FIELD 2
Borrow Pit
Rattlesnake Creek
Corner
CANAL
Storage Bin
KELLER ASSOCIATES
MOUNTAIN HOME LAND APPLICATION
VICINITY MAP